

**Table 4.** Attrition Scrubbing Tests – Composite Sample from all drill holes.

Test Number	6719-13	6719-14	6719-15	6719-16	6719-17	6719-18
Scrub % Solids	70	70	65	65	70	70
Scrub Reagent	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	None	H <sub>2</sub> SO <sub>4</sub>
Scrub Time (min.)	5.0	5.0	5.0	5.0	5.0	3.0
<i>Scrubbed Product- Cumulative % Retained</i>						
US 40 mesh	28.5	33.2	33.0	34.2	31.0	31.3
US 60 mesh	56.7	62.4	62.1	62.8	61.1	60.4
US 100 mesh	84.4	87.8	87.7	87.7	87.2	86.7
US 140 mesh	92.0	94.2	94.1	93.8	94.1	93.4
Scrub Yield, Wt. % (Note 1)	79.1	78.5	78.3	76.9	80.9	78.6
Final Non-magnetic Yield, Wt. % (Note 2)	75.2	76.9	76.5	74.6	78.8	76.5
<i>Final Product Chemical Analysis. %</i>						
Fe <sub>2</sub> O <sub>3</sub>	0.02	0.03	0.03	0.02	0.04	0.03
Al <sub>2</sub> O <sub>3</sub>	0.16	0.22	0.23	0.14	0.22	0.21
MnO	0.01	0.01	0.01	0.01	0.01	0.01
TiO <sub>2</sub>	0.02	0.03	0.02	0.02	0.02	0.02
K <sub>2</sub> O	0.01	0.01	0.01	0.01	0.01	0.01
Na <sub>2</sub> O	0.05	0.05	0.05	0.05	0.05	0.05
MgO	0.05	0.05	0.05	0.05	0.05	0.05
CaO	0.01	0.01	0.01	0.01	0.01	0.01
P <sub>2</sub> O <sub>5</sub>	0.05	0.05	0.05	0.05	0.05	0.05
SiO <sub>2</sub>	98.0	96.5	97.0	97.2	98.4	98.2
LOI	0.08	0.07	0.09	0.1	0.08	0.1

**Note 1** - The yield of sand after scrubbing and slime removal.

**Note 2** - The yield after magnetic separation of the sized product.

**Table 5.** Heavy liquid separation test results – Raw samples from individual drill holes.

Drill Hole	Float Product		Sink Product		Total	
	Wt- grams	Wt. %	Wt- grams	Wt. %	Wt- grams	Wt. %
R18	158.6	99.5	0.8	0.5	159.4	100.0
R42	152.7	99.5	0.8	0.5	153.5	100.0
R9	152.0	99.5	0.7	0.5	152.7	100.0
R63	162.2	99.8	0.4	0.2	162.6	100.0
R83	153.8	99.6	0.5	0.4	154.3	100.0
R41	148.8	99.4	0.9	0.6	149.7	100.0

The particle size analysis showed that majority of sand recovered were in the +40 and +140 US Standard mesh size fractions (51 – 80%). The specifications for glass sand